**ES407 Academic Showcase Abstracts and Organizational Outline**

1. Taylor
   1. Tentative Abstract Title: ES407 Senior Seminar – Perspectives in River Restoration
      1. Provide introduction to senior seminar presentations and topic
2. Halvorson
   1. Tentative Abstract Title: Watershed Assessment and River Restoration Strategies
      1. Provide overview of watershed assessment process, the principle components and approaches to river restoration design.
3. Castle
   1. Tentative Abstract Title: Salmonid Habitat as a Guiding Principle in River Restoration
      1. Discuss salmonids, life cycles, species and habitat required for successful populations
4. Johnson
   1. Tentative Abstract Title: Fluvial Hydrology, Fish Passage and Sedimentation
      1. Discuss flow regimes, concept of fish passage, barriers and sedimentation issues as they effect salmonid productivity.
5. McBride
   1. Tentative Abstract Title: Riparian Vegetation, Landuse and Habitat Restoration
      1. Discuss importance of riparian vegetation and landuse with respect to fish habitat and watershed function.
6. Quiles
   1. Tenative Abstract Title: Instream Channel Restoration
      1. Provide overview of instream channel restoration techniques commonly used in successful river restoration projects.